

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
14 July 2005 (14.07.2005)

PCT

(10) International Publication Number
WO 2005/063020 A1

(51) International Patent Classification⁷: **A01N 43/56**,
C07D 231/14

[DE/DE]; Rotenbachtalstrasse 21, 76530 Baden-Baden
(DE).

(21) International Application Number:
PCT/EP2004/014272

(22) International Filing Date:
15 December 2004 (15.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03029847.5 24 December 2003 (24.12.2003) EP
04011252.6 12 May 2004 (12.05.2004) EP

(71) Applicant (for all designated States except US): **BAYER
CROPSCIENCE GMBH** [DE/DE]; Brüningstrasse 50,
65929 Frankfurt (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BASTIAANS, Hen-
ricus, M., M.** [NL/DE]; Bartholomaeus-Arnoldi-Strasse
35, 61250 Usingen (DE). **DONN, Günter** [DE/DE]; Sach-
senring 35, 65719 Hofheim (DE). **KNITTEL, Nathalie**
[FR/DE]; Im Engler 3, 65830 Kriftel (DE). **MARTEL-
LETTI, Arianna** [CH/DE]; Im Haindell 117, 65843
Sulzbach (DE). **REES, Richard** [GB/DE]; Am Honig-
baum 20, 65817 Eppstein (DE). **SCHWALL, Michael**

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

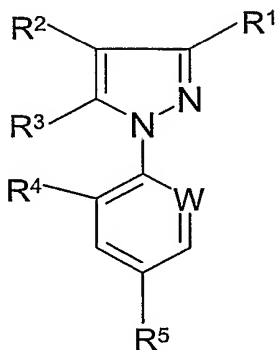
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: PLANT GROWTH REGULATION



(I)

(57) Abstract: The present invention relates to a new class of plant growth regulators. In particular, the invention relates to 5-substituted-1-arylpyrazole-3-carboxylic acid derivative of general formula (I) and a method for treatment of plants with such compounds in order to induce growth regulating responses.

WO 2005/063020 A1